

ABSTRACT

A method and apparatus for assembling electrochemical cell components into cells, sub-stacks of cells and stacks of cells. The components provide self-alignment of two or more components without introducing additional parts or complexity to the assembly process. Rather, at least one component has an integral projection and at least one other component has an integral cavity for receiving the projection. The dimensions of the projection and cavity must not interfere with the face-to-face contact between the generally planar components, and the projection must not be taller than the cavity is deep. In order to provide alignment across the entire face of the components, it is preferred to have at least one component with a plurality of projections and at least one component having a plurality of cavities. Preferably, the projections and cavities will be positioned at the generally opposite sides, end corners, and the like.